

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

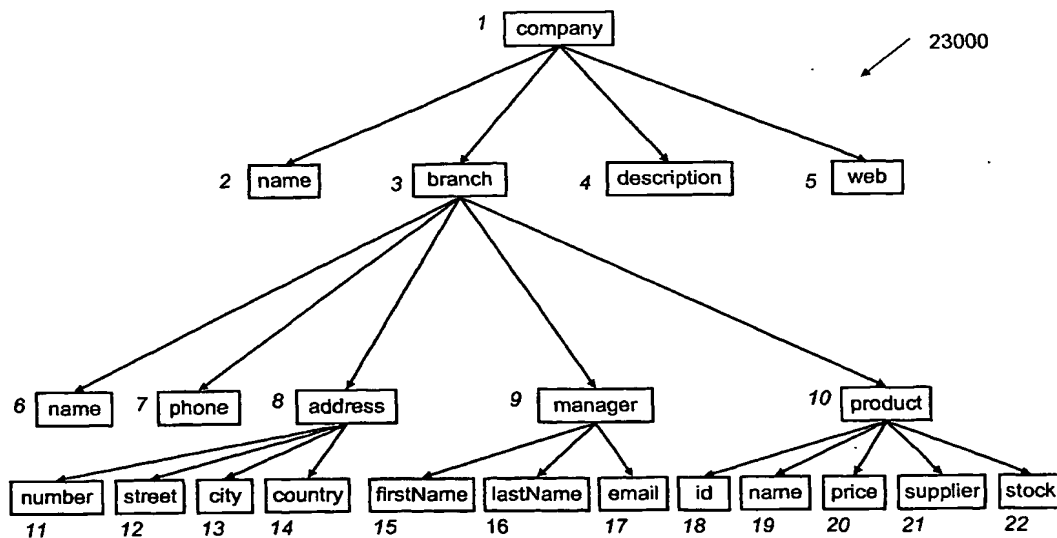
PCT

(10) International Publication Number
WO 2005/052810 A1

- (51) International Patent Classification⁷: **G06F 17/30**
- (21) International Application Number:
PCT/AU2004/001676
- (22) International Filing Date:
26 November 2004 (26.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003906611 28 November 2003 (28.11.2003) AU
- (71) Applicant (for all designated States except US): **CANON KABUSHIKI KAISHA** [JP/JP]; 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, 146 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DOAN, Khanh, Phi, Van** [AU/AU]; 6 Hickey Close, Noranda, W.A. 6062 (AU). **LENNON, Allison, Joan** [AU/AU]; 554 Darling Street, Balmain, NSW 2041 (AU).
- (74) Agent: **SPRUSON & FERGUSON**; GPO BOX 3898, Sydney, NSW 2001 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: METHOD OF CONSTRUCTING PREFERRED VIEWS OF HIERARCHICAL DATA



(57) Abstract: Disclosed is a method of constructing at least one data structure from at least one data source. A representation is constructed of the data source and at least one previous view of the data source (eg. 23000). From the representations, at least one compulsory entity (eg. "branch") is then identified. This may generally be performed by a user selection. The method then constructs the data structure (eg. 25000, 26000) comprising the compulsory entity and one or more context entities, where the context entities are obtained from the representation and context data obtained from the previous view. Typically the data source is hierarchical and the data structure is hierarchical.

WO 2005/052810 A1



— with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.